Exploring Java, (Second edition). By Patrick Niemeyer and Joshua Peck. O'Reilly, Sebastopol, CA. (1997). 594 pages. $32.95.
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Differential Equations with Mathematica™. By Kevin R. Coombes, Brian R. Hunt, Ronald L. Lipsman, John E. Osborn and Garrett J. Stuck. John Wiley & Sons, Inc., New York (1998). 240 pages. $19.95.
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Managing Usenet. By Henry Spencer and David Lawrence. O'Reilly, Sebastopol, CA. (1998). 492 pages. $32.95.
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Essential Windows NT System Administration. By Æleen Frisch. O'Reilly, Sebastopol, CA. (1998). 467 pages. $34.95.
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Automata and Computability. By Dexter C. Kozen. Springer-Verlag, New York. (1997) 400 pages. $39.95, GDM 64.00, GBP 24.50.
Contents:

Preface. Lectures: Introduction. Finite automata and regular sets. Pushdown automata and context-free languages. Turing machines and effective computability. Exercises: Homework sets. Miscellaneous exercises. Hints and solutions. References. Notation and abbreviations. Index.

Statistical Tests for Mixed Linear Models. By André I. Khuri, Thomas Mathew and Bimal K. Sinha. John Wiley and Sons, New York. (1998). 352 pages. $69.95.
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Preface. 1. Nature of exact and optimum tests in mixed linear models. Appendix 1.1. Distribution of a maximal invariant $T(x)$: Wijsman's representation theorem. 2. Balanced random and mixed models. 3. Measures of data imbalance. Appendix 3.1. Hirotsu's approximation. 4. Unbalanced one-way and two-way random models. 5. Random models with unequal cell frequencies in the last stage. 6. Tests in unbalanced mixed models. Appendix 6.1. Proof of Lemma 6.3.2. 7. Recovery of inter-block information. 8. Split-plot designs under mixed and random models. Appendix 8.1. Some results on the validity and optimality of F-tests. 9. Tests using generalized P-values. 10. Multivariate mixed and random models. Appendix: Solutions to selected exercises. General bibliography. Author index. Subject index.

Modeling Dynamic Biological Systems. By Bruce Hannon and Mathias Ruth. Springer-Verlag, New York. (1997). 399 pages. $59.95, GDM 88.00. CD ROM included.
Contents:

Foreword (Simon A. Levin). Series preface. Preface. Part 1. Introduction. Part 2. Physical and biochemical models. Part 3. Genetics models. Part 4. Models of organisms. Part 5. Single population models. Part 6. Multiple population models. Part 7. Catastophe and self-organization. Part 8. Conclusion. Appendix. Madonna. References. Index.